GDAAC Notes for
MODIS Technical Team Meeting (5/21/98)

WEEKLY HIGHLIGHTS:
- MODIS-ESDIS/ECS-DAAC One-on-One discussion.
- Checkout of promotion of Drop 4 to SSIT Mode (TS1) nearly complete.
- PGE01-02 chain test completed.
- PGE01-02-03 chain test in progress

WEEKLY PLAN:
- Prep PGE03 for chain testing; complete PGE01-02-03 chain test.
- For PGE04, requested SDST to supply production rules information in PVL to DAAC, requested ECS to provide missing ESDTs; integration will continue once they are received.
- Requested ECS to provide missing ESDTs for PGE11; integration will continue once they are received.

WORK IN PROGRESS AND FUTURE:
- Ocean Data Day workaround (ECS Production Rules available early 1999)
    + June 8 meeting to address feasability
- L1B Data volume increase (ESDIS impact assessment needed)
- SSIT Agreement updates (CCRs)
- MODIS-DAAC Science Agreement to be distributed to SDST and STMs for comment

ECS-SYSTEM   STATUS: YELLOW
Problem: System installation, checkout and test procedures are maturing; documentation is being brought up to date. (Yellow).

- Drop 4.x in Test mode (TS2) and in SSIT mode (TS1).

SSIT   SSIT STATUS: YELLOW
Problem: Missing ESDTs for PGEs in progress needed to complete integration; Intermittent problems experienced when attempting repeated runs of integrated PGEs, system stability is being addressed with GDAAC M&0 and ECS/Landover. (Yellow).

MAPI / SDST TK   SSIT STATUS: GREEN
- Lien established for Error List, work-off by 7/31/98.

OCEAN_LIB   SSIT STATUS: YELLOW
Problem: DAAC cannot promote PGE to operations without error list documentation, lien pending; resolution schedule pending SDST communication with algorithm developers.(Yellow)

- Delivered 4/15/98; Inspection complete; Build complete.

PGE Name	Delivered	Integrated	Chained	Duty Cycle	Ops Readiness	§	Launch Readiness*	Notes
PGE01 (2.1)	4/15/98	5/8/98	5/20/98	100%		G	expected	Lien, SDST to provide error list by 7/31/98
PGE02 (2.0)	1/29/98	3/18/98	5/20/98	100%		G	expected	Lien, SDST to provide error list by 7/31/98
PGE02 (2.1)								
PGE03	2/18/98	4/27/98	in progress	100%		G	expected	Lien, SDST to provide error list by 7/31/98
PGE04	3/20/98	on hold	7/31/98			R	expected	SDST to provide prod. rules PVL; ECS to provide ESDTs for integration; SDST to provide error list by 8/31/98
PGE05	3/16/98	on hold	7/31/98			R	expected	SDST to provide prod. rules PVL for integration; SDST to provide error list by 8/31/98
PGE11 (2.2)	1/7/98	on hold	8/7/98		.	R	expected	ECS to provide ESDTs for integration
PGE17	4/17/98	in progress	8/7/98			Y	expected	Lien pending, SDST to provide error list for launch readiness
PGE19	4/17/98	in progress	8/7/98			Y	expected	Lien pending, SDST to provide error list for launch readiness
PGE09	5/7/98	in progress	8/14/98			Y	expected	Lien pending, SDST to provide error list for launch readiness
PGE12 (V2.1)	6/12/98						contingent	ECS to provide Land Tiling; Lien, SDST to provide error list by 9/30/98
PGE13 (V2.1)	6/12/98						contingent	ECS to provide Land Tiling; Lien, SDST to provide error list by 9/30/98
PGE14 (V2.1)	6/12/98						contingent	ECS to provide Land Tiling; Lien, SDST to provide error list by 10/31/98
PGE06	6/18/98	7/14/98	8/14/98				expected	ECS to provide compiler upgrade; version 1.0 was successfully integrated
PGE07 (V2.1)	5/11/98	6/15/98					expected	Lien, SDST to provide error list by 8/31/98
PGE20								
PGE10								SDST to redeliver DAP
PGE49								
PGE50								
PGE53								
PGE54								
PGE69								
PGE56								
PGE16								
PGE15 (V2.1)	6/12/98						contingent	ECS to provide Land Tiling; Lien, SDST to provide error list by 10/31/98
PGE08 (V2.1)	5/15/98						expected	Lien, SDST to provide error list by 8/31/98
*12/98 Launch		contingent	available if known high risk problems are addressed					
		expected	no known high risk obstacles for launch readiness					
		demonstrated	demonstrated through Ops Readiness Exercises (OREs)					
§ PGE Status Codes:								
Complete	PGE is ready to process data at launch in validation mode or ops mode							
Green	No problems or Category 1 fixes only; no high-risk liens on PGE							
Yellow	Problems in test; Category 2 or 3 fix pending; lien pending or expired							
Red	SSIT has stopped; PGE will not run in its current form; fix required before testing can continue							

Production readiness

Work days for SSIT	Best Case	Nominal Case	Actual
Inspection	1	3	3 (n=11)
Integration I	2	5	6 (n=10)
Integration II	4 (est)	8-15 (est)	18 (n=3)
Patch	1-4	3-8	4 (n=12)
Error Testing	4	8	4 (n=2)
Chain Testing	10	15	
Total	25	54	

Best Case: Little or no problems with ECS or PGE
Nominal Case: Minor problems encountered and resolved; no major blunders
Actual: Averages to date

Phases of SSI&T:

Inspection: Delivered Algorithm Package is inspected for contents and completeness. PGE is inspected for documentation, formats, file structures, and standards compliance.

Integration-I: PGE is built and run from the command line. Generated data product(s) are verified with SDST supplied comparison file(s). (**DAACbuild** for a library)

Integration-II: PGE is registered into ECS, including population of PDPS database. Test data is inserted into the Data Server for staging into production. PGE execution is planned and scheduled through ECS PDPS utilizing Autosys scheduler. Generated product(s) inserted into Data Server. Generated data product is retrieved from Data Server for verification.